

Extract from *Xenopus* eggs provides
a rich source of cellular material

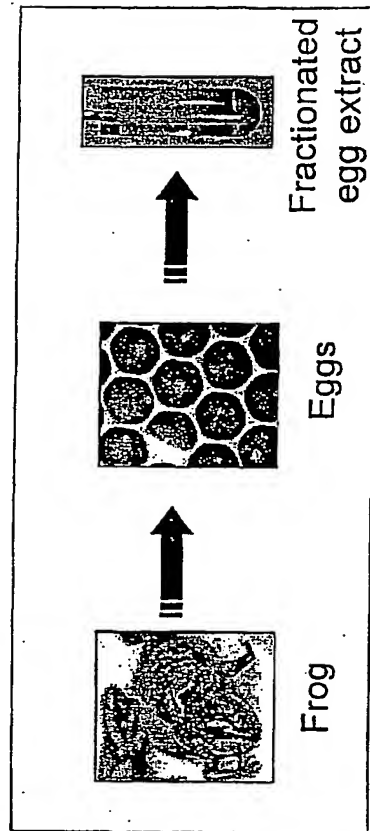
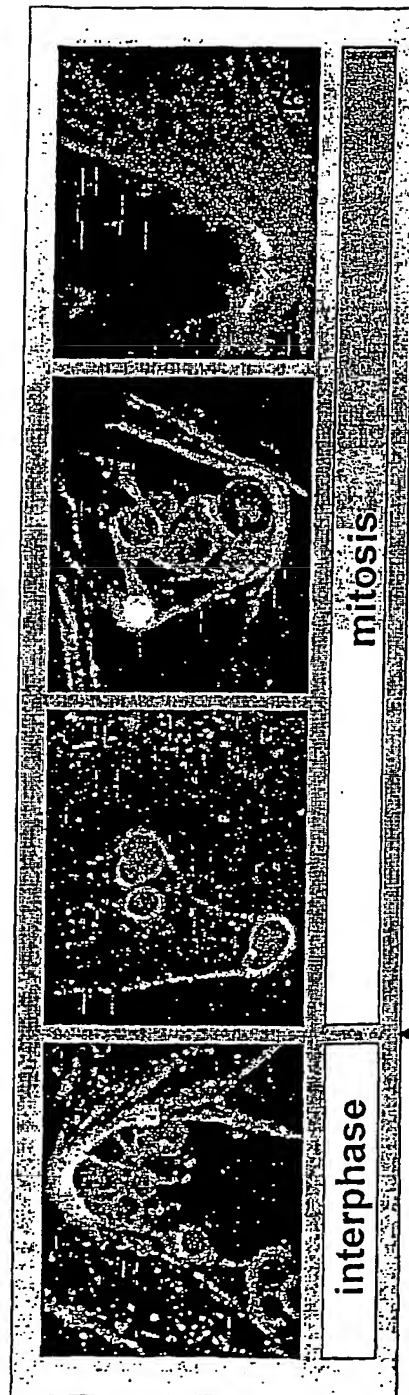
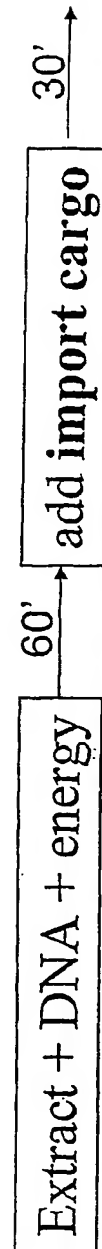


FIG. 1

Xenopus egg extract recapitulates
nuclear assembly and disassembly events



DNA
import cargo
membranes

FIG. 2

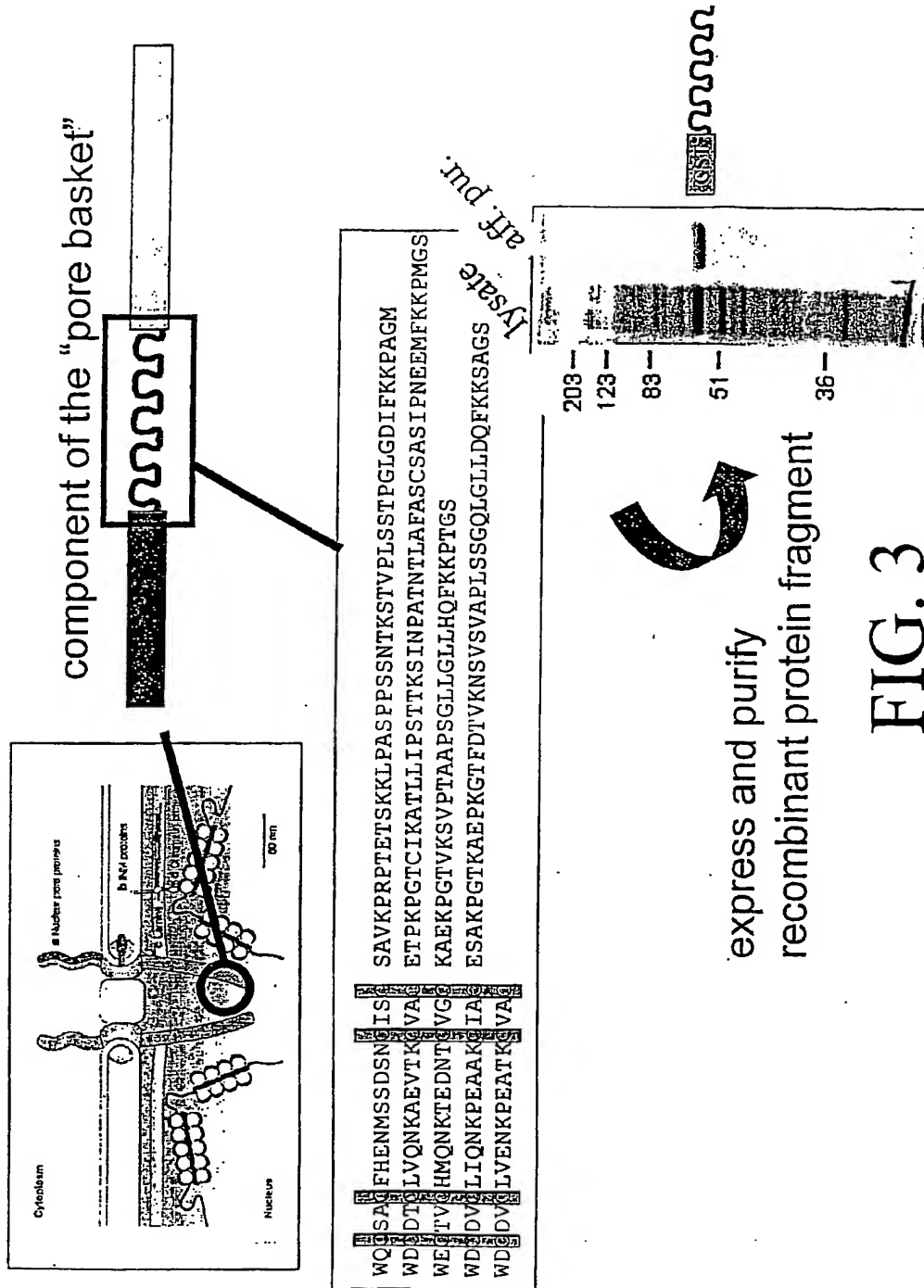
10/528183

WO 2004/027381

3/15

PCT/US2003/029267

Focus on Nup153 Zn finger domain: tools to probe function



10/528183

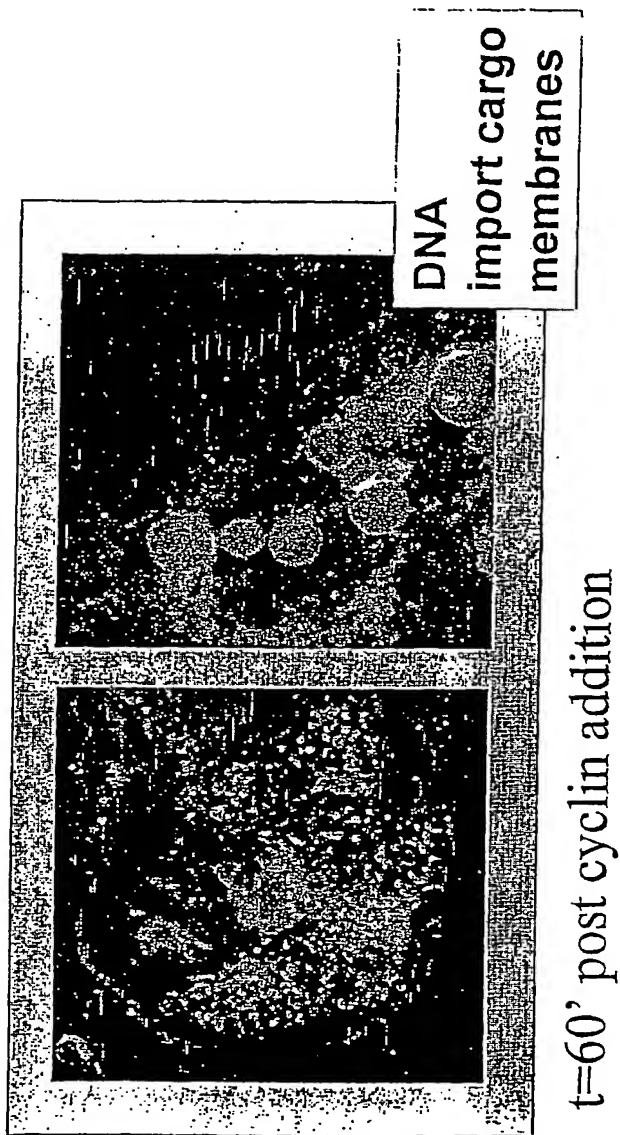
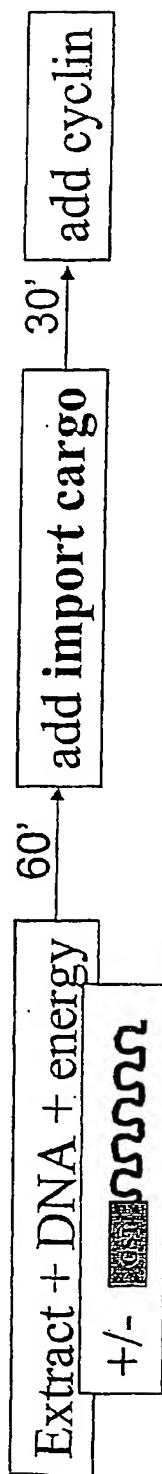
PCT/US2003/029267

WO 2004/027381

4/15

FIG. 4

Nup153 Zn Finger fragment interferes with nuclear disassembly



Nup153-specific antibodies

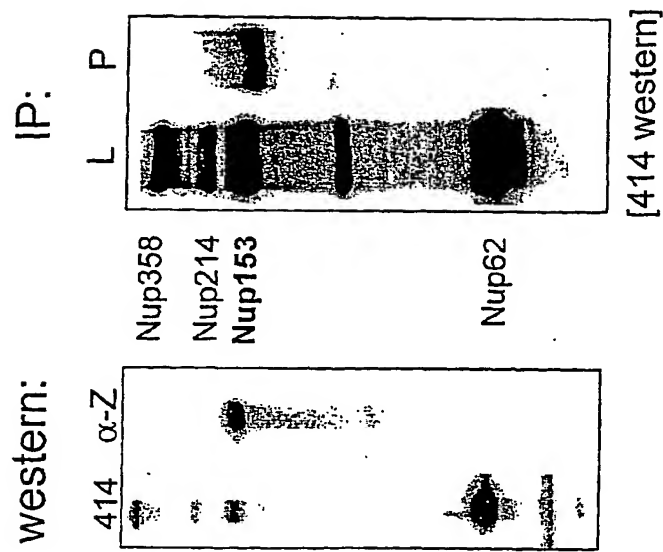


FIG. 5

10/528183

WO 2004/027381

PCT/US2003/029267

6/15

Antibodies directed toward the Zn fingers of Nup153
block nuclear envelope breakdown

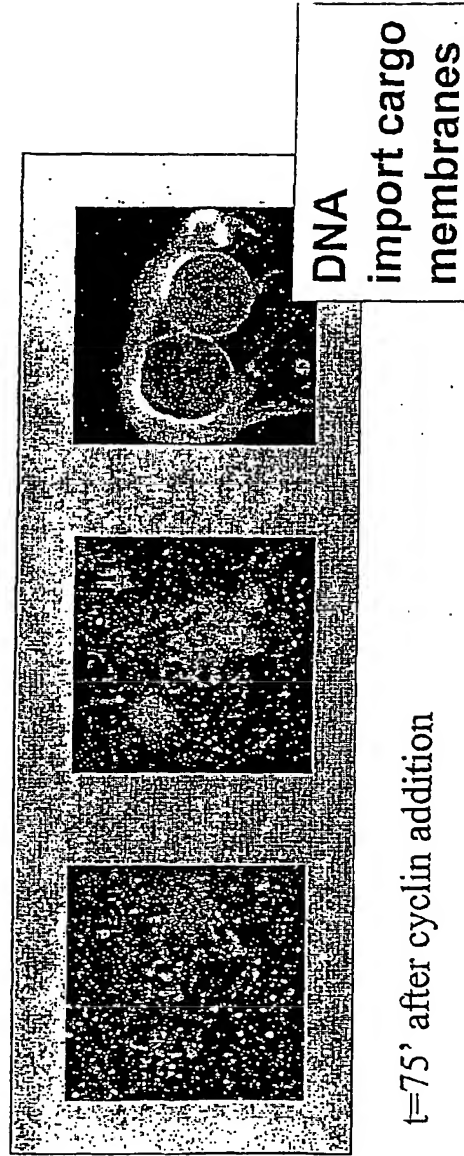
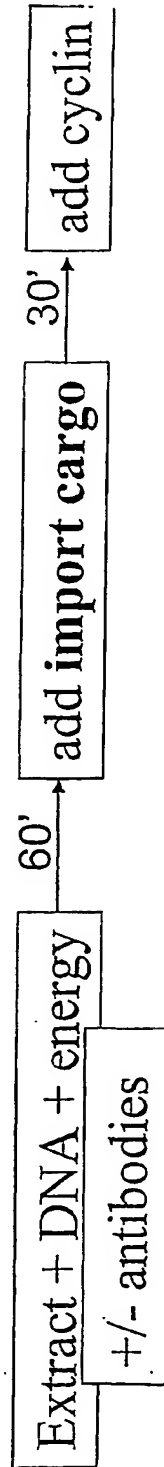


FIG. 6

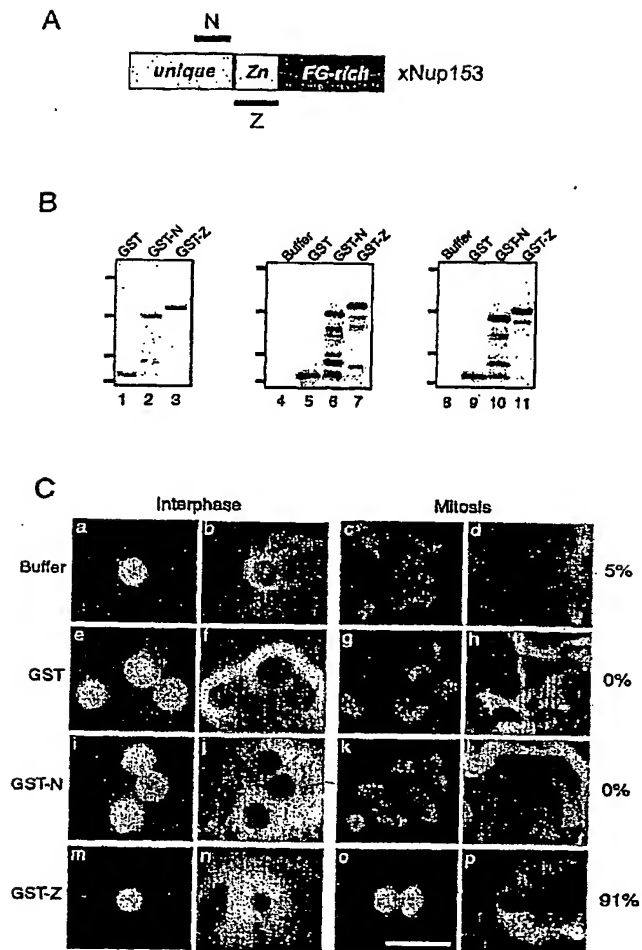


FIG. 7

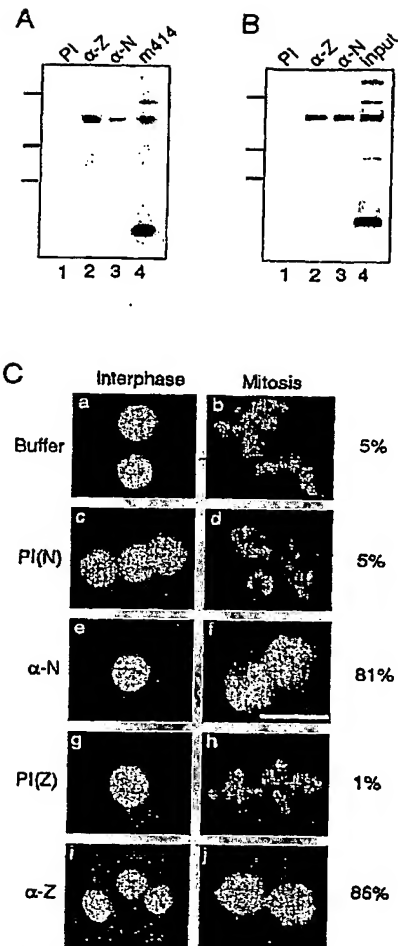


FIG. 8

10/528183

WO 2004/027381

PCT/US2003/029267

9/15

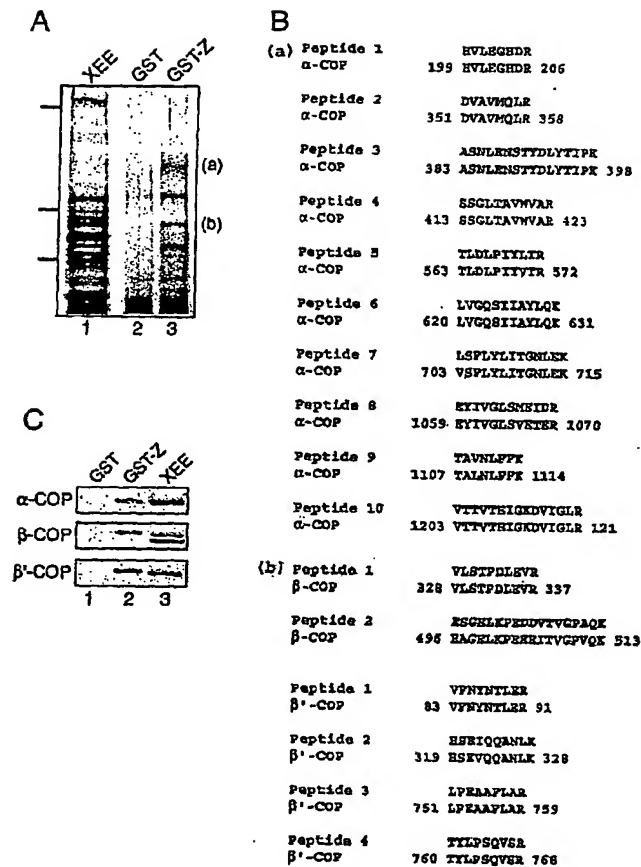


FIG. 9

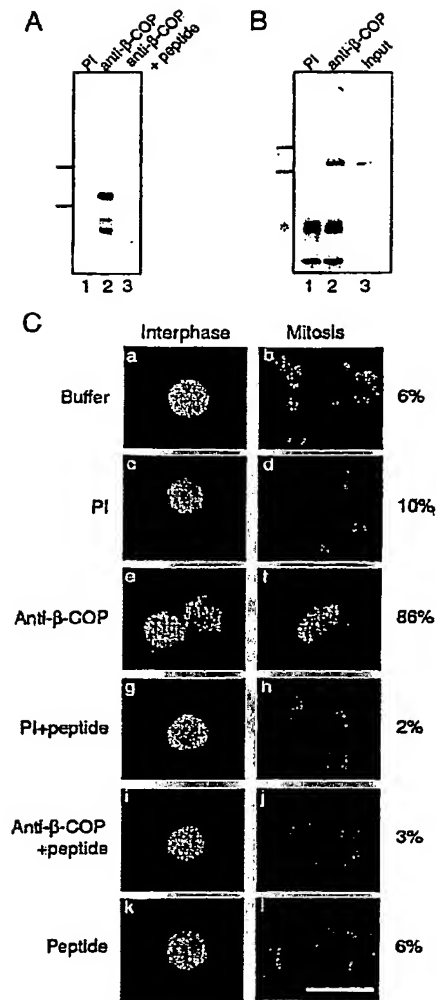


FIG. 10

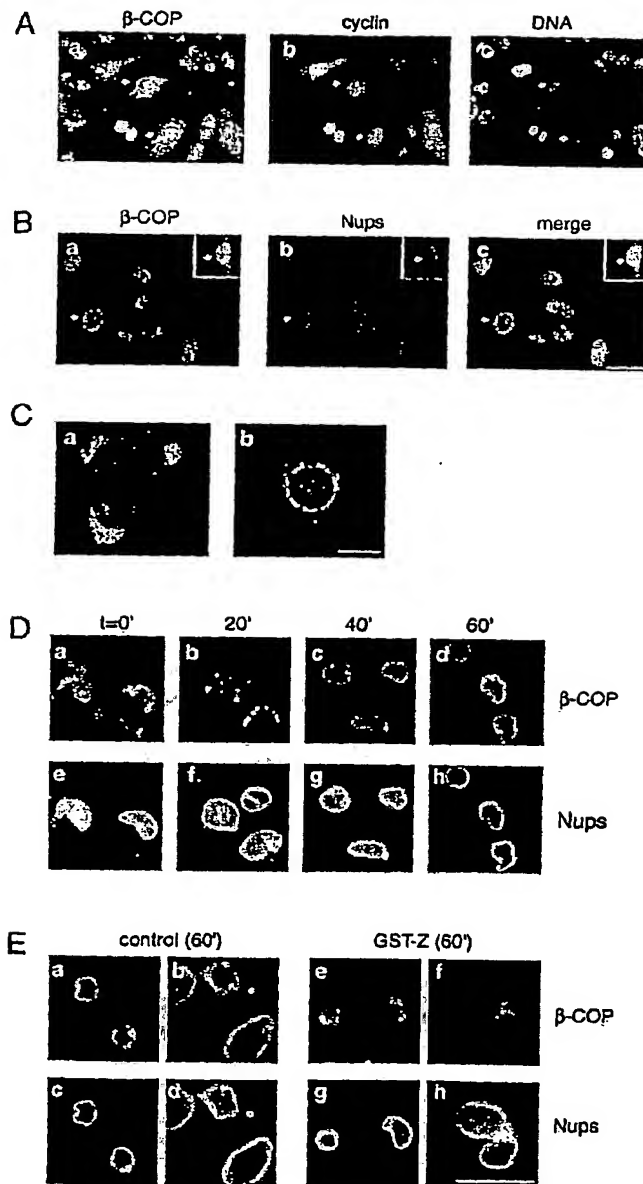


FIG. 11

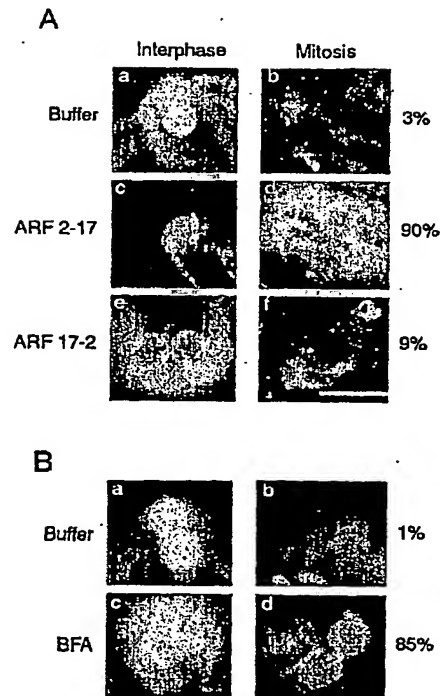


FIG. 12

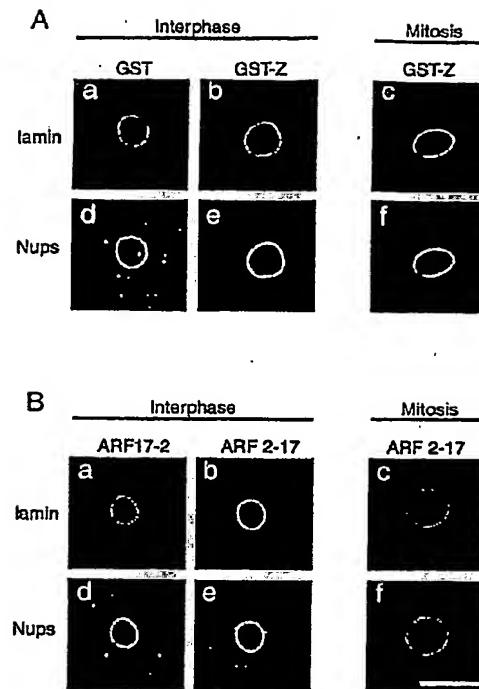


FIG. 13

ZINC FINGER COMPARISON

[illegible]

FIG. 14

| |
|---------|
| THPFTHE |
| THPFTHE |
| THPFTHE |
| SSFAHSR |
| SSFAHSR |
| GEHVRPS |
| GEHVRPS |
| PGPHLPH |
| YNNQHLT |
| LAHHGTL |
| VQHNARS |
| TASLHFS |
| KPDSMPW |
| SRTTSSW |
| GPOS&KT |

FIG. 15

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.